

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

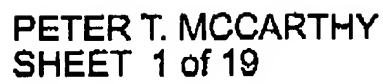
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

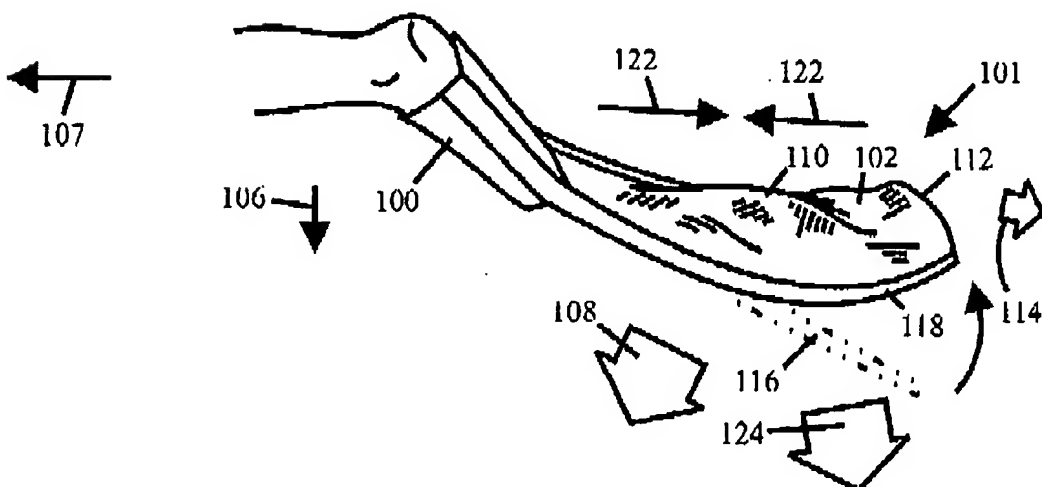
- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



PRIOR ART



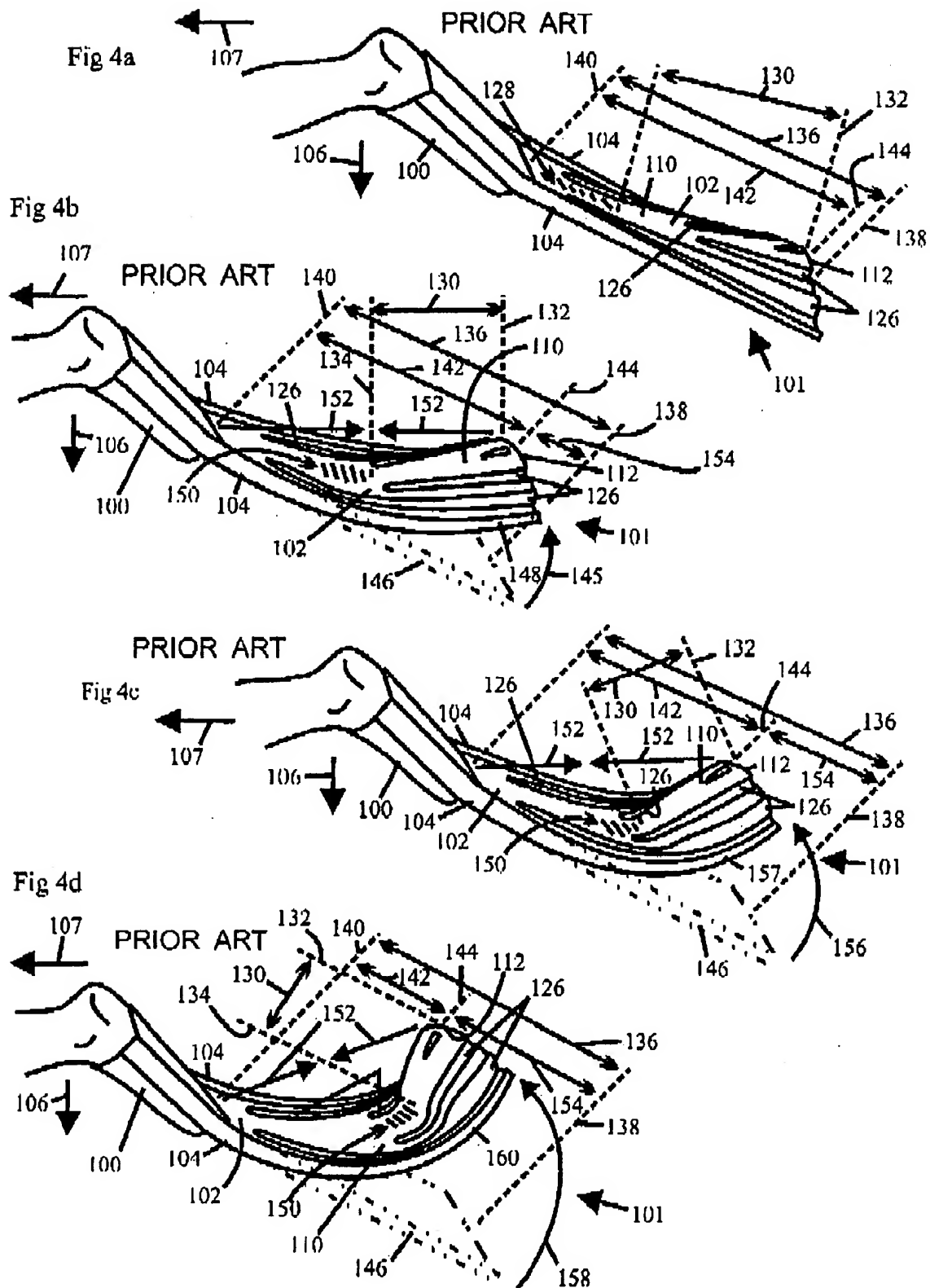


Fig 5

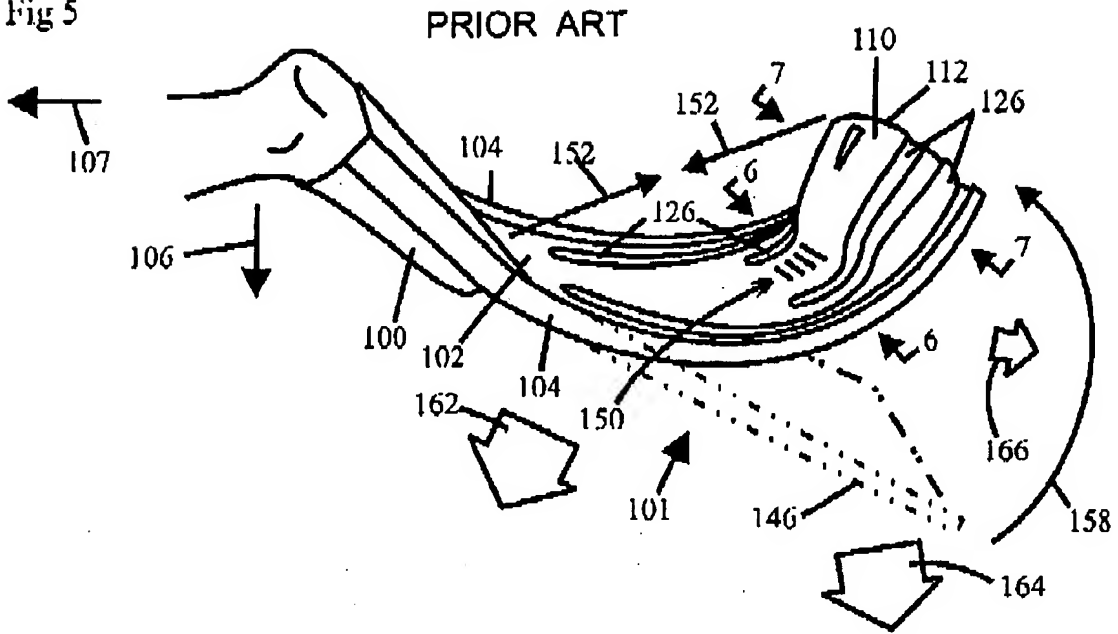


Fig 6

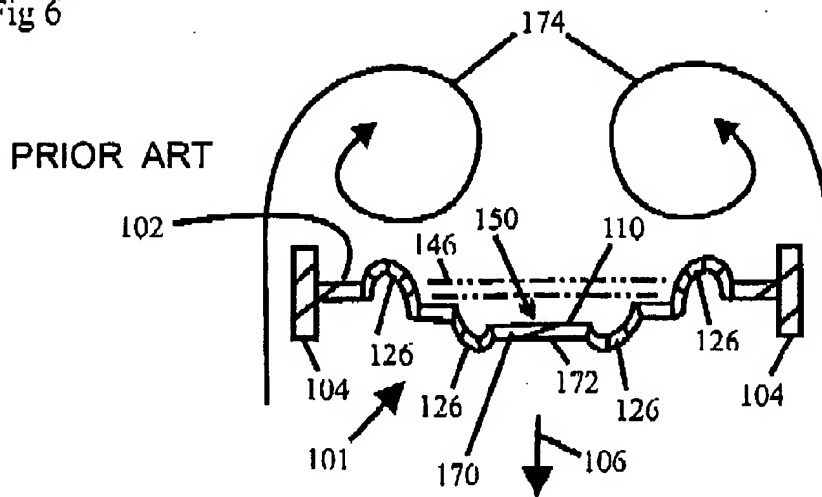
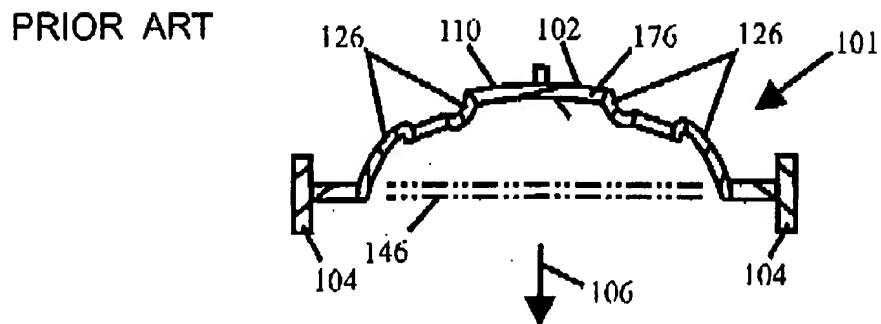


Fig 7



PETER T. MCCARTHY
SHEET 4 of 19

Fig 8

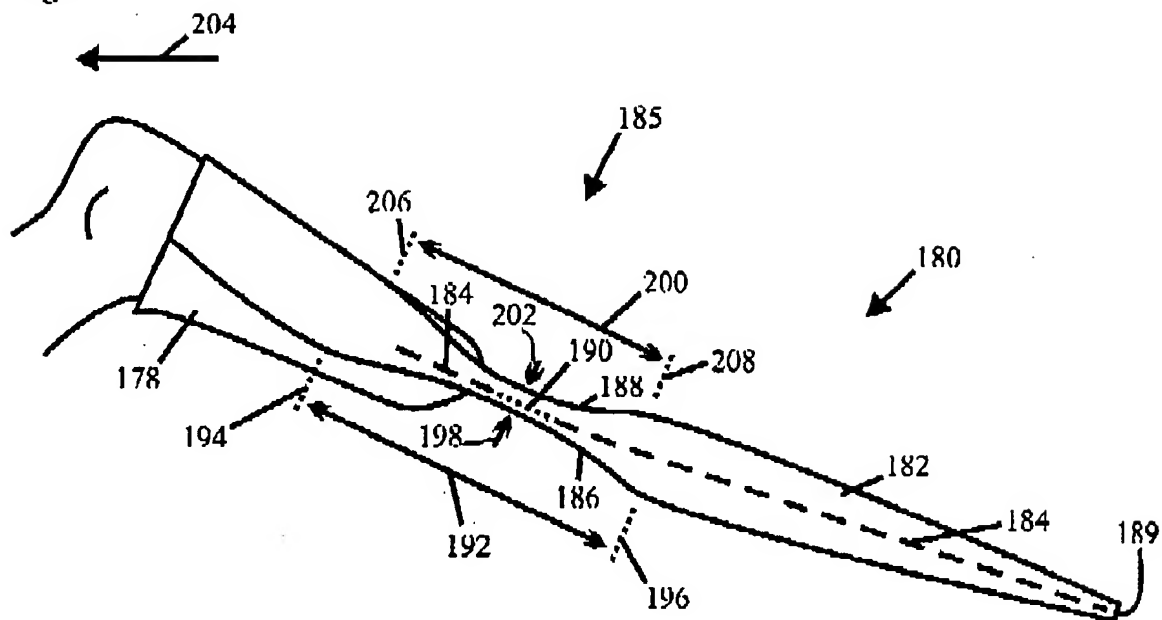


Fig 9

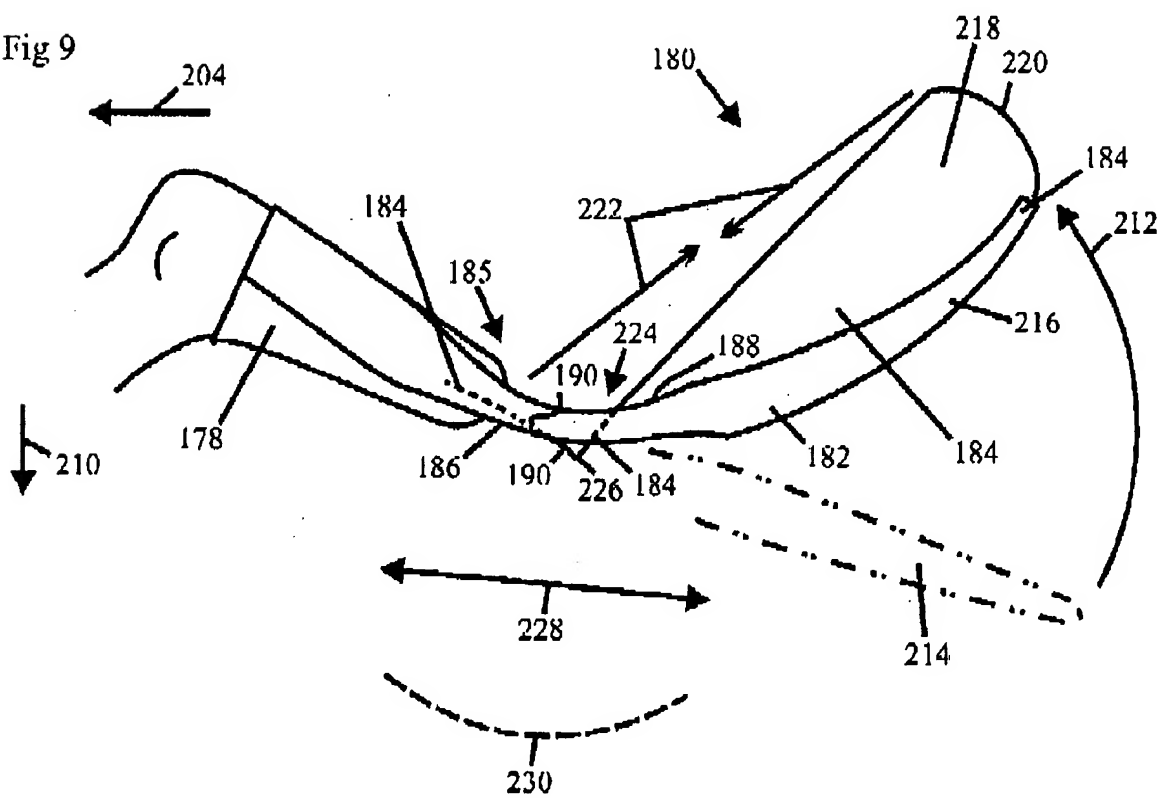


Fig 10

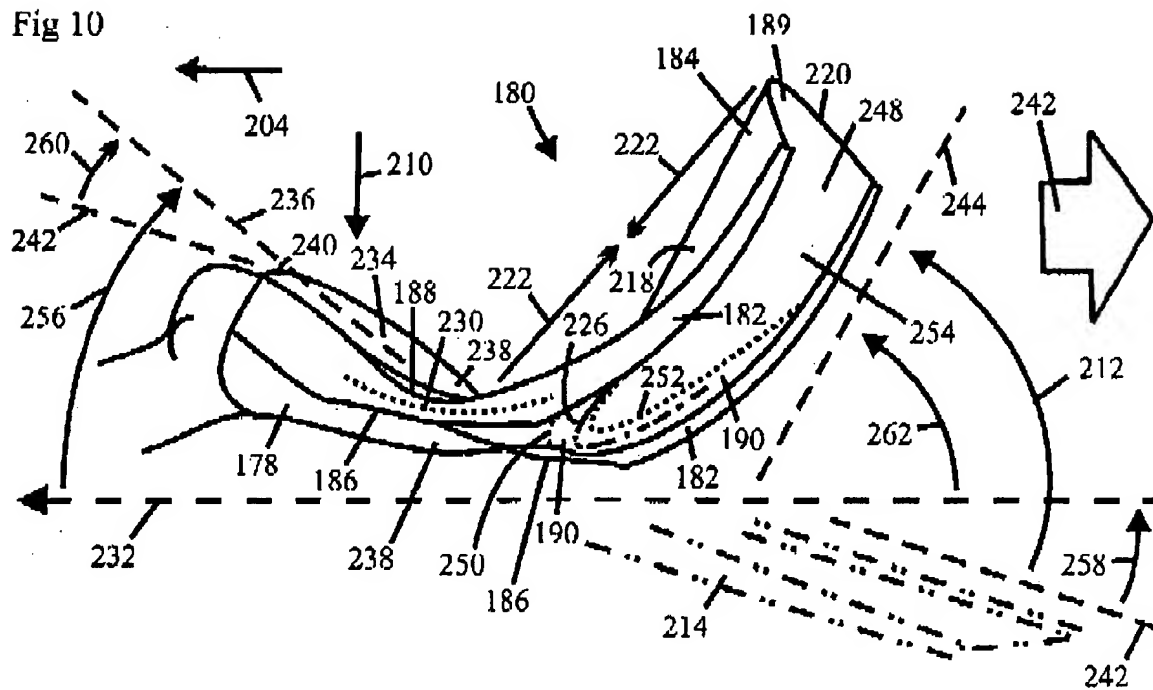
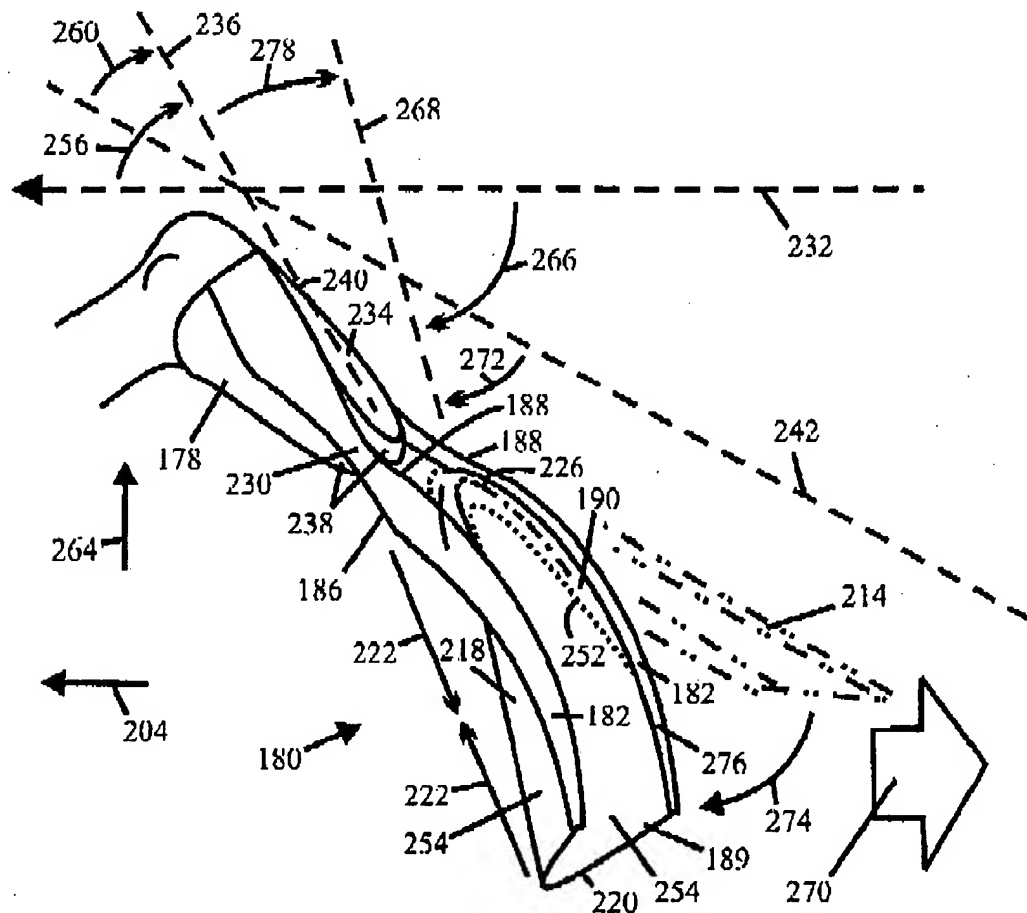


Fig 11



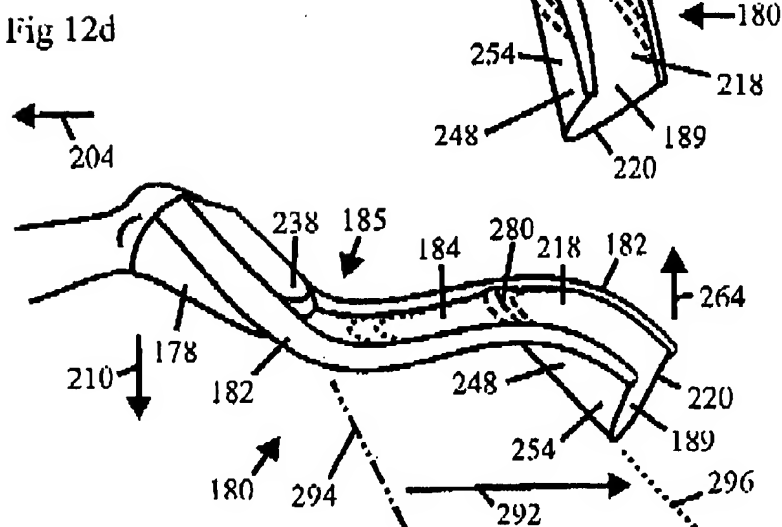
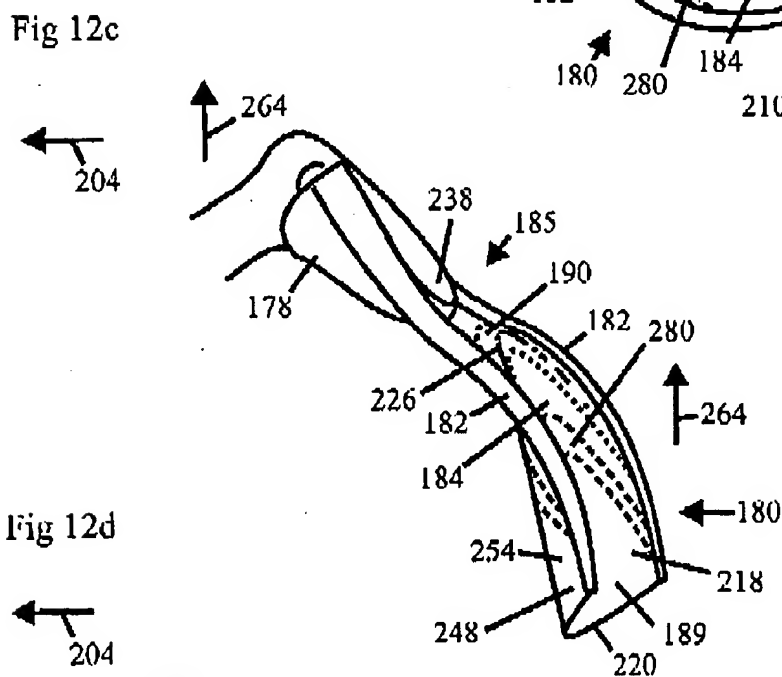
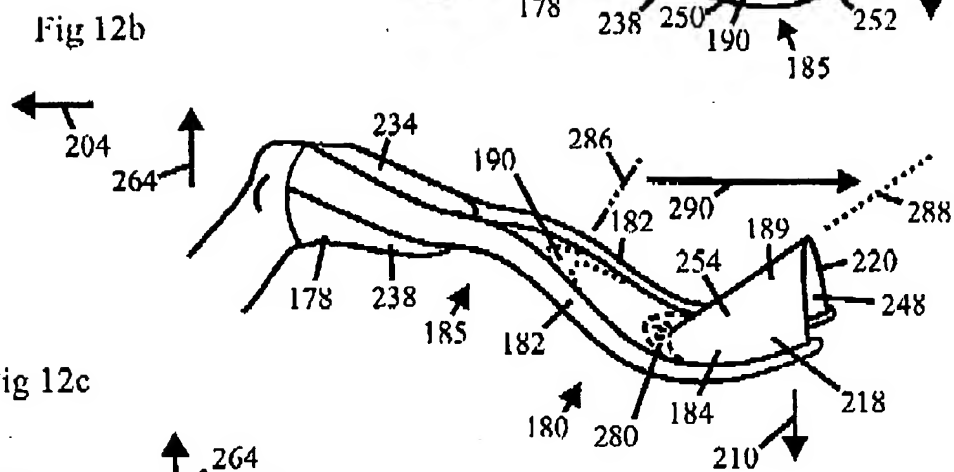
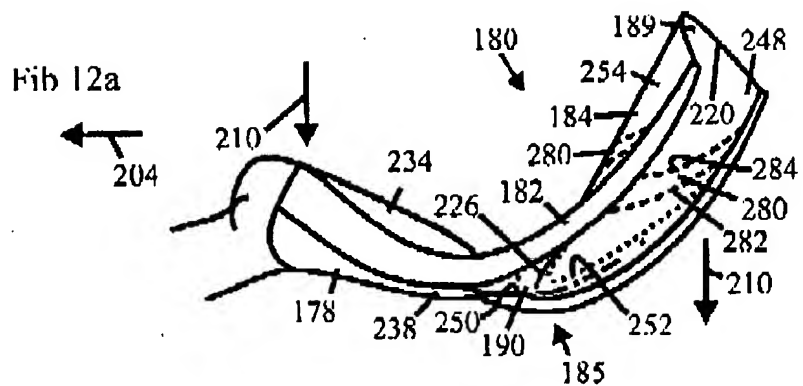


Fig 13

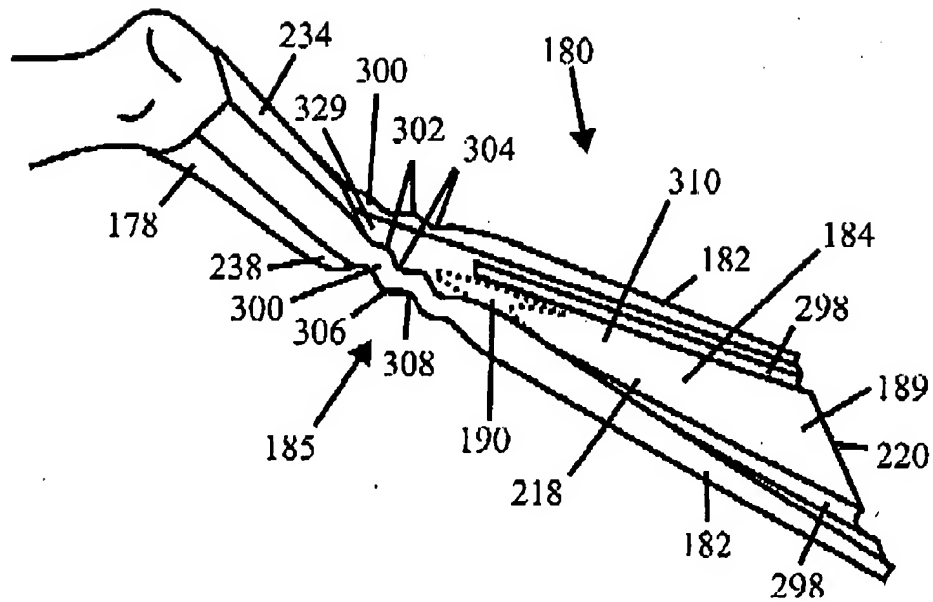


Fig 14

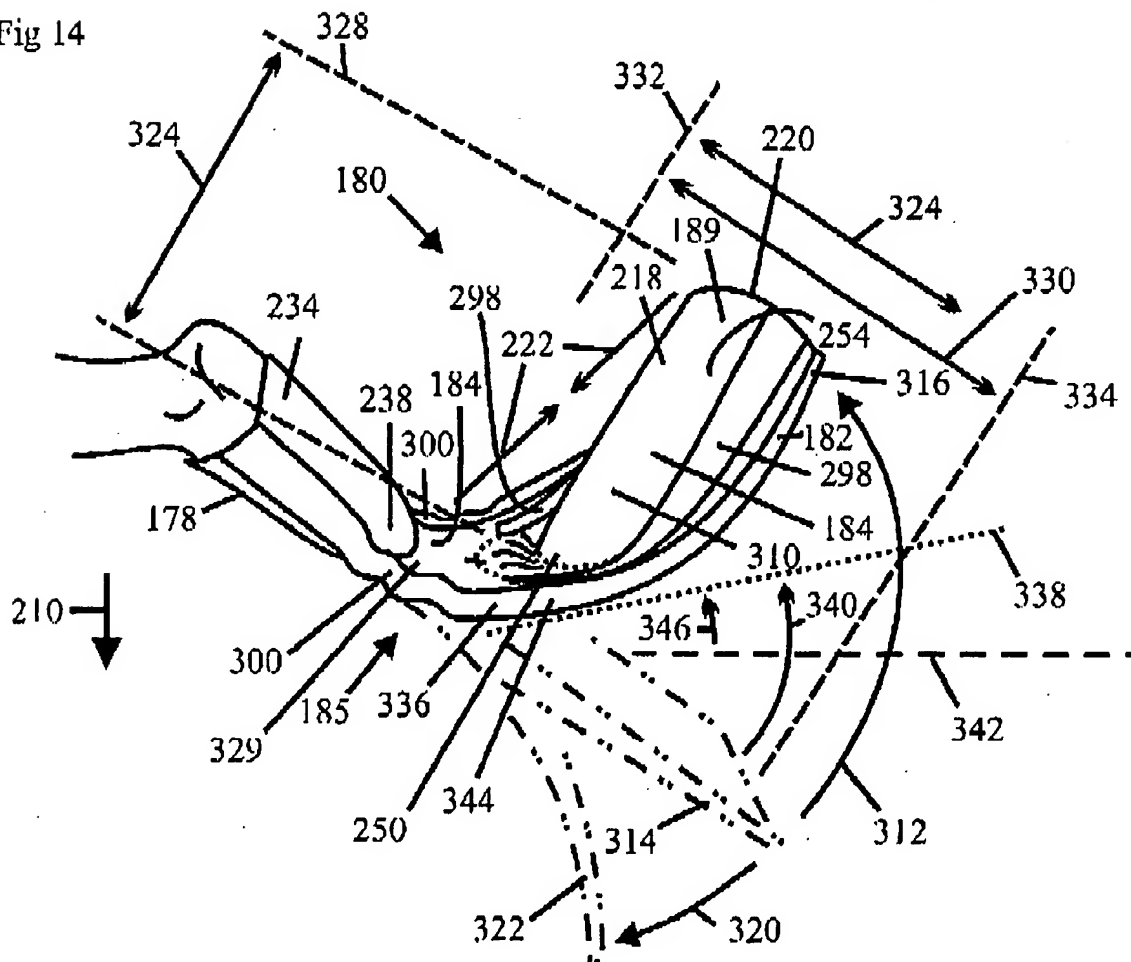


Fig 15

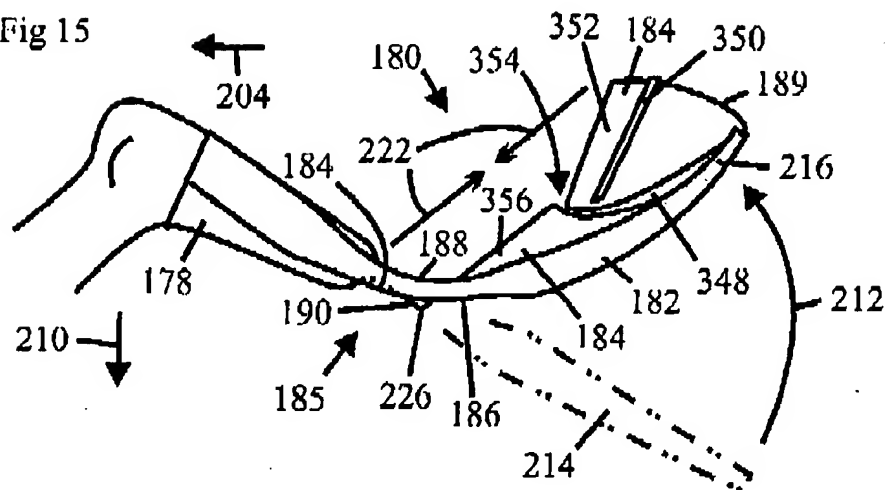


Fig 16

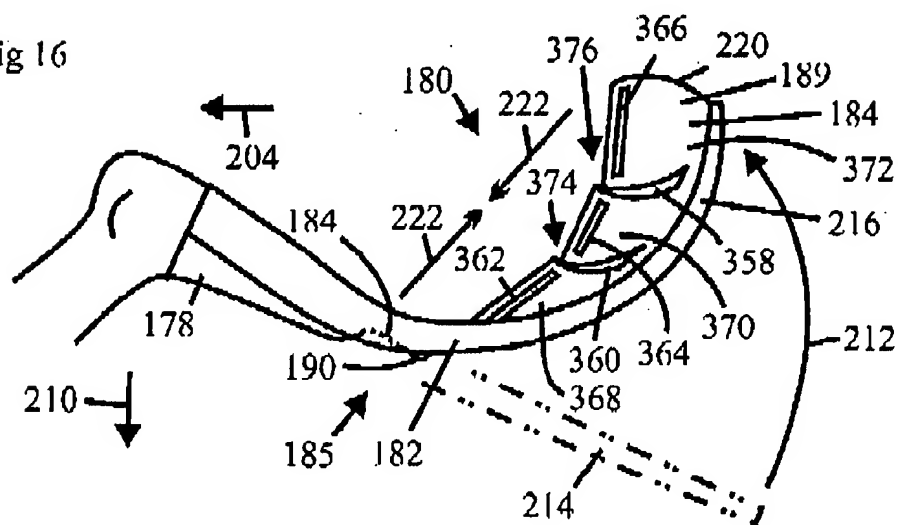


Fig 17

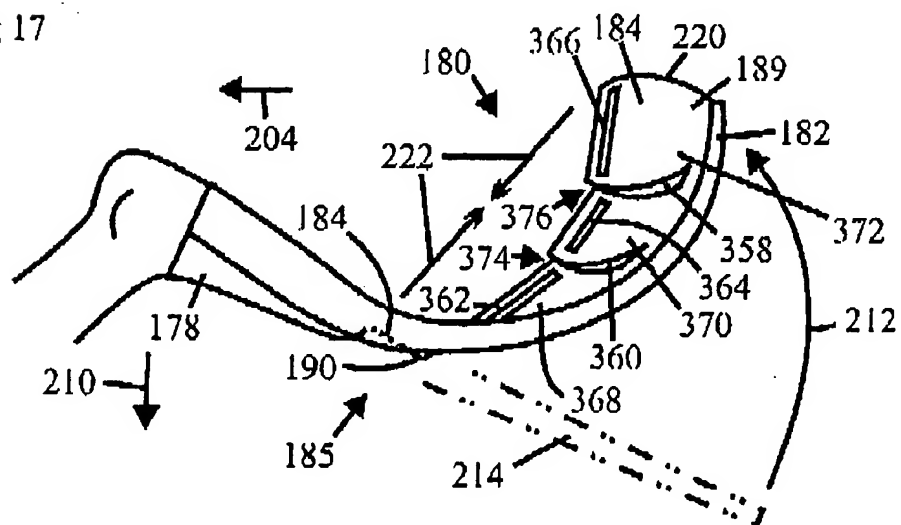


Fig 18

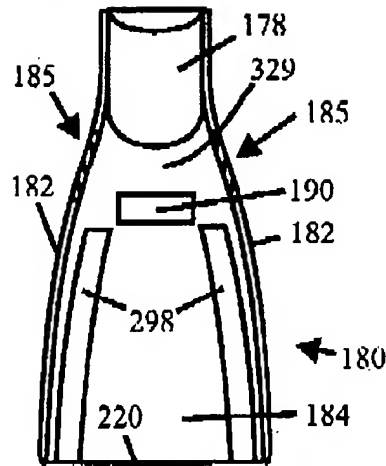


Fig 19

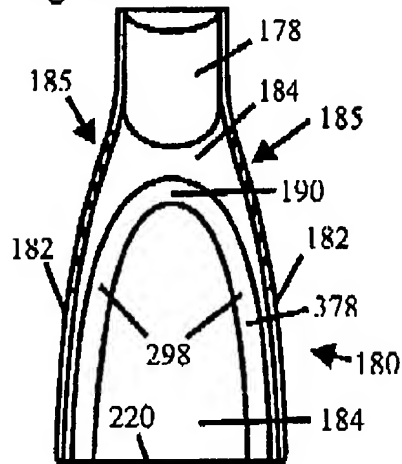


Fig 20

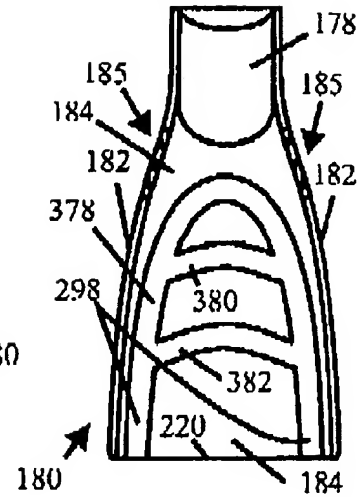


Fig 21

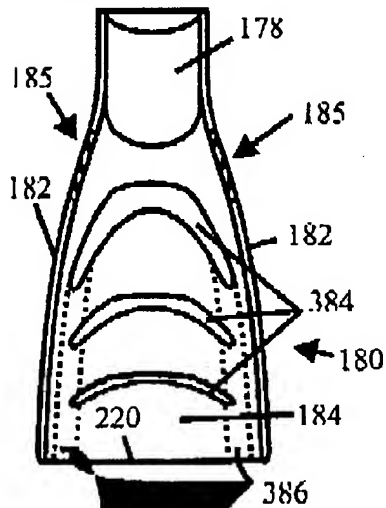


Fig 22

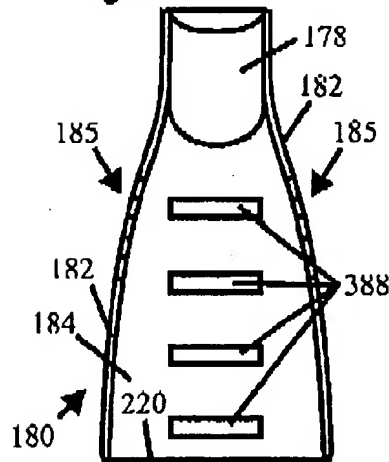


Fig 23

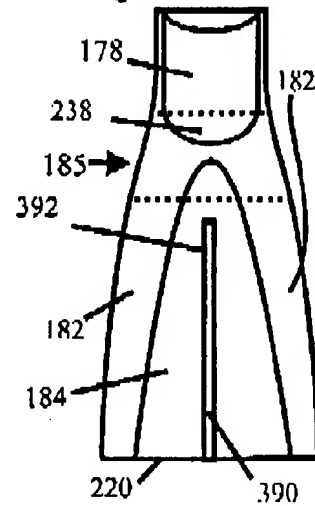


Fig 24

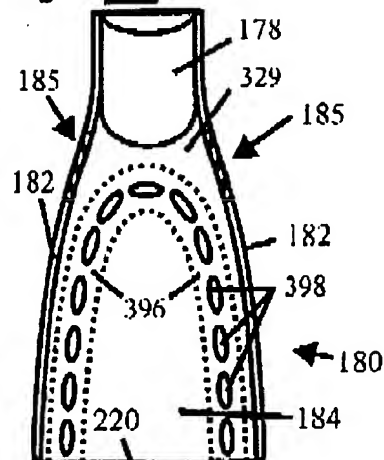


Fig 25

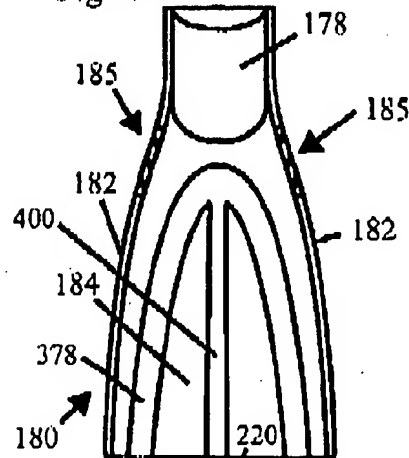


Fig 26

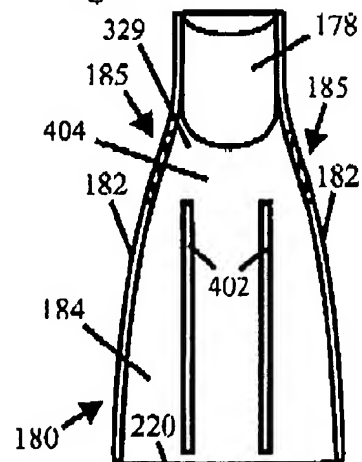


Fig 27

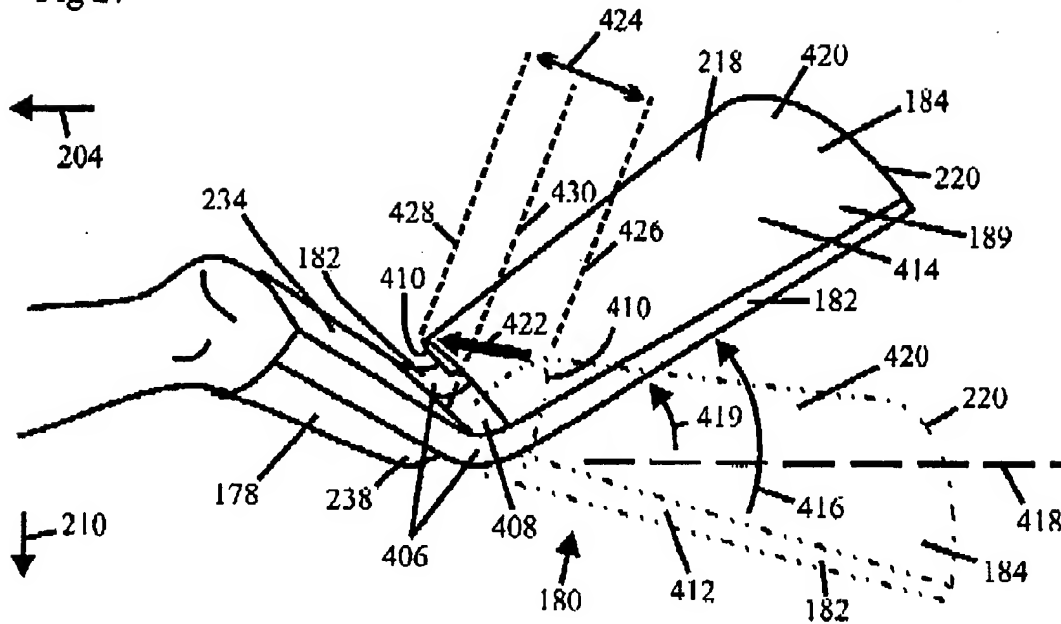
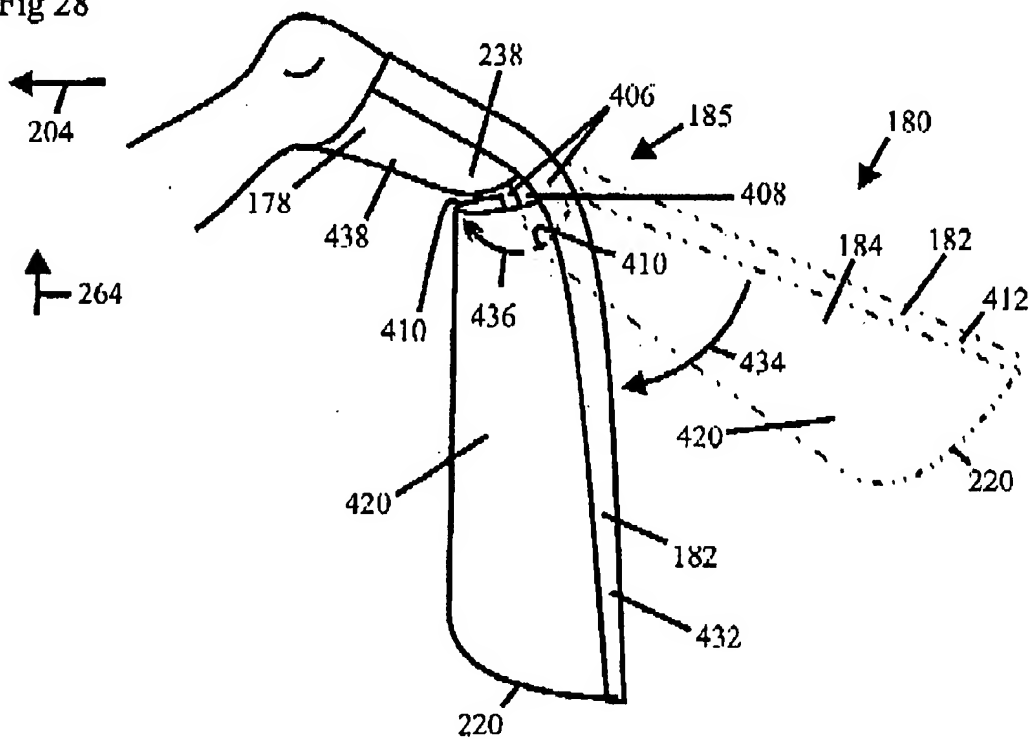


Fig 28



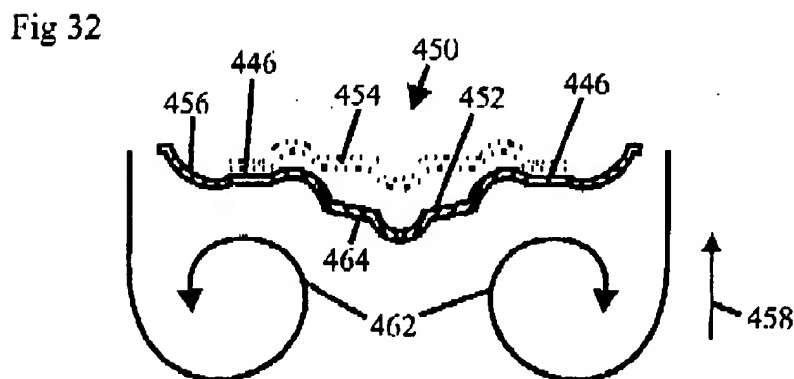
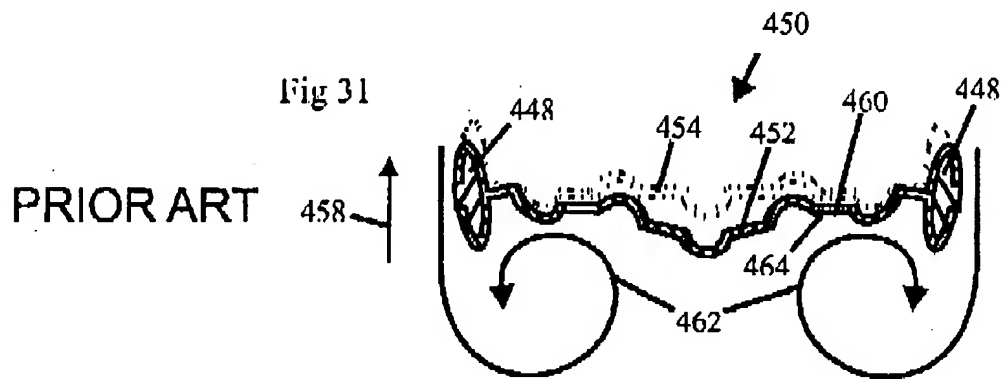
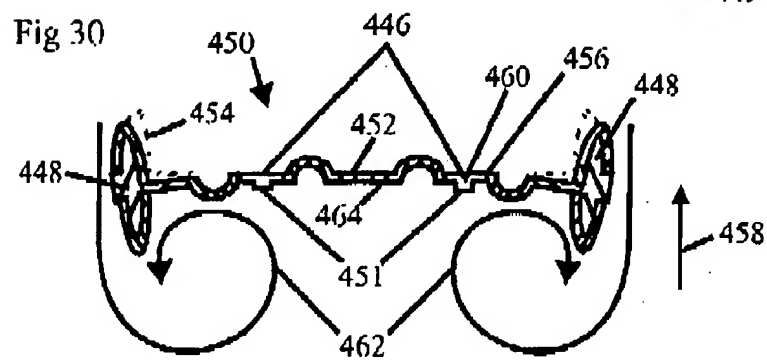
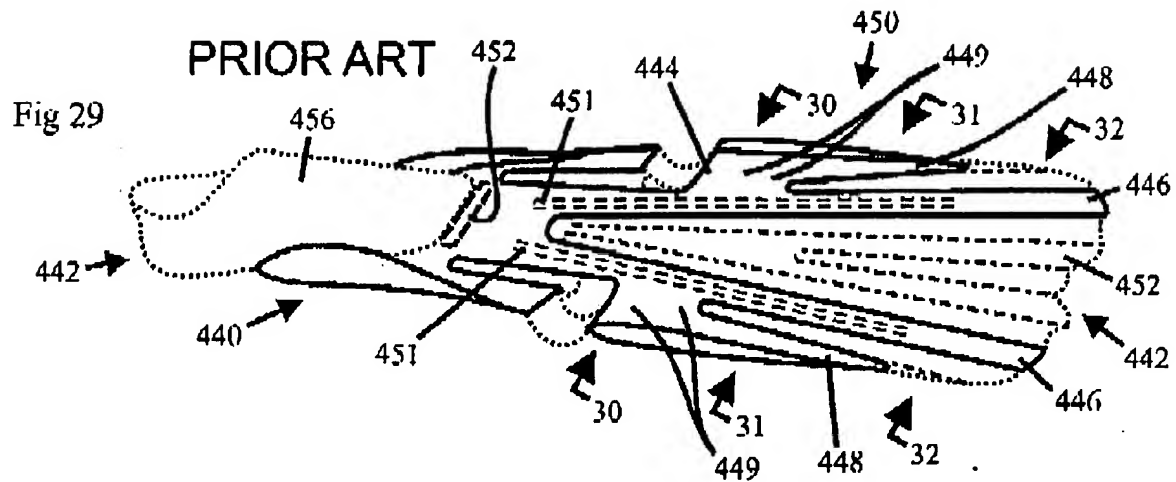


Fig 33

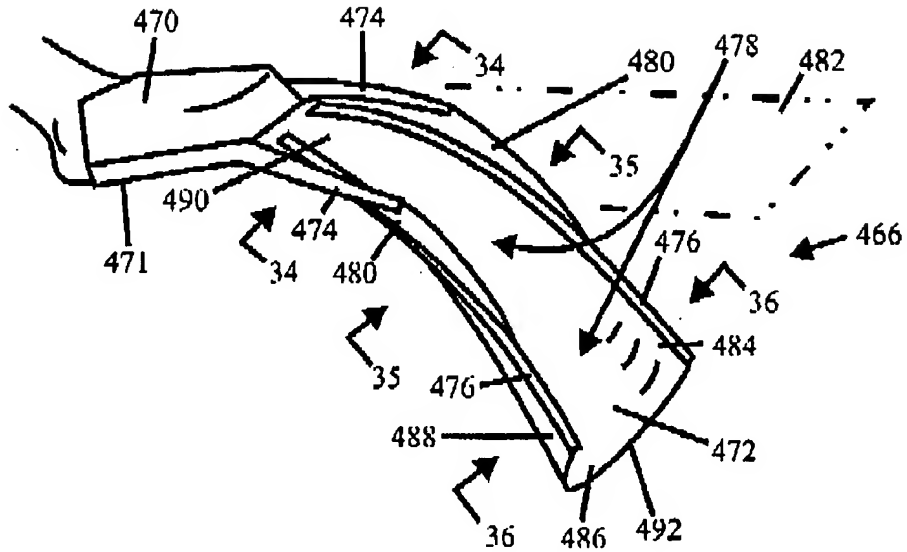


Fig 34

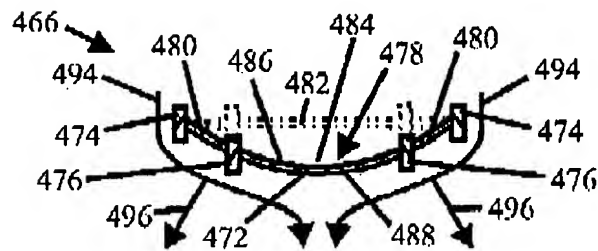


Fig 35

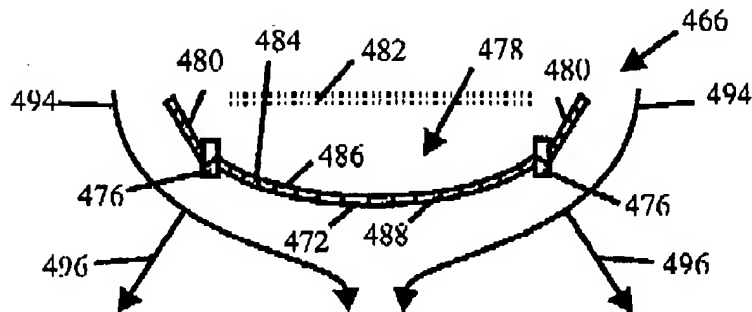


Fig 36

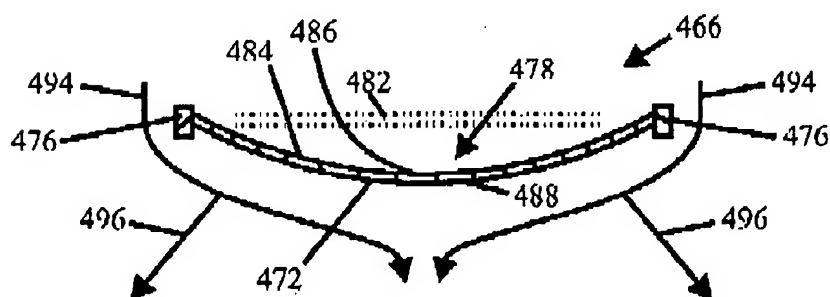


Fig 37

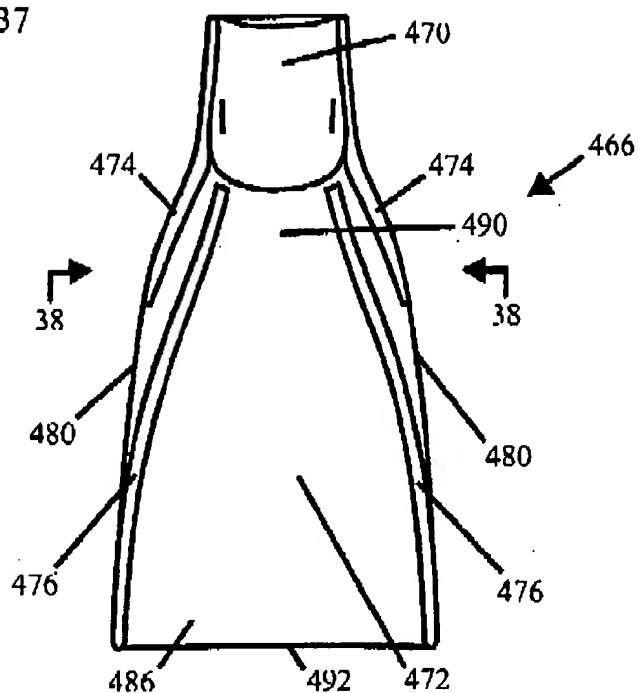


Fig 38a

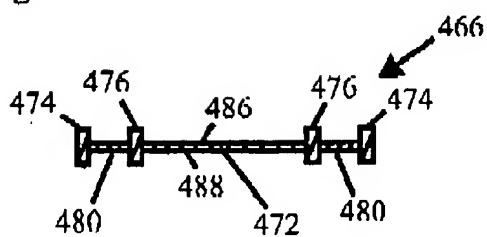


Fig 38b

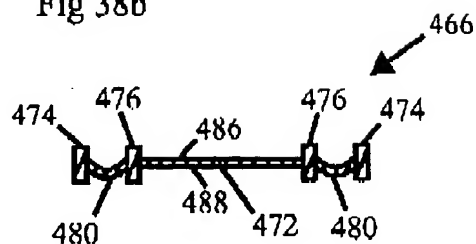


Fig 38c

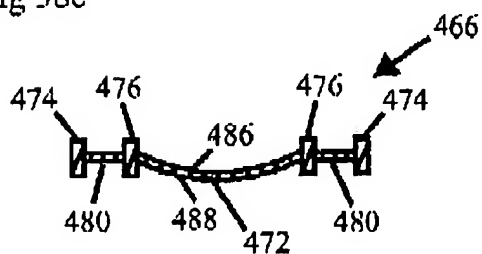


Fig 38d

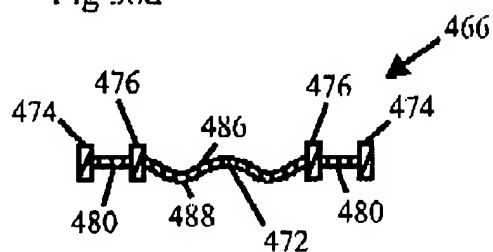


Fig 39

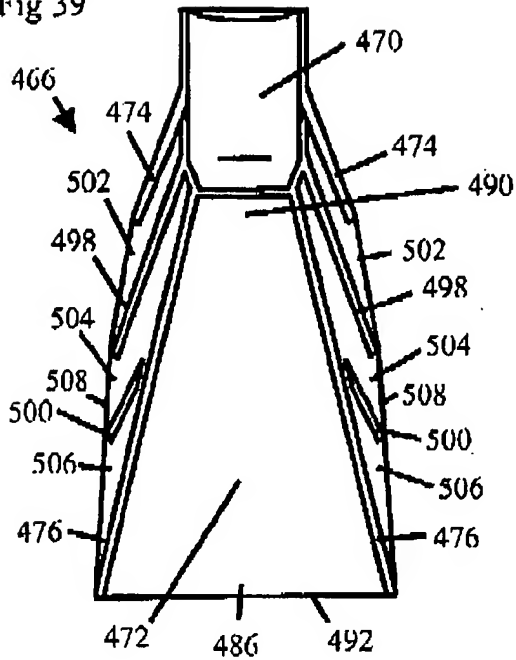


Fig 40

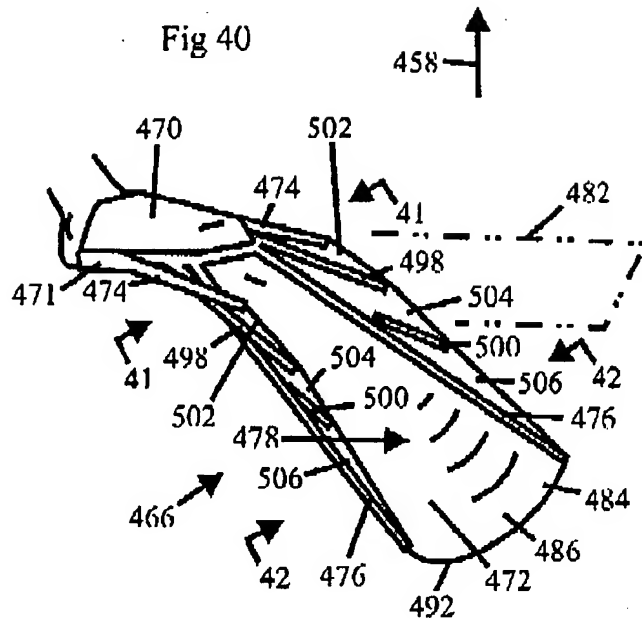


Fig 41

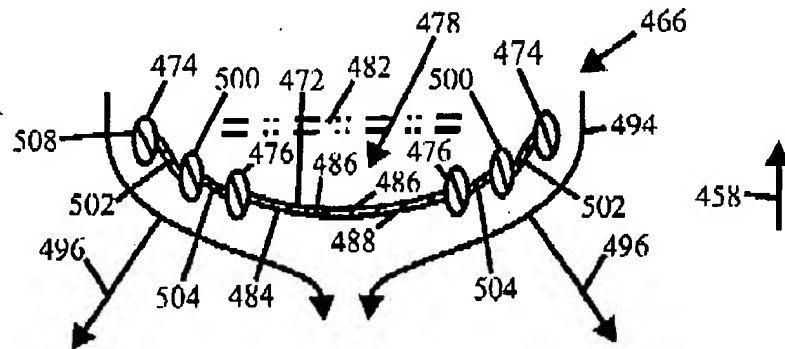
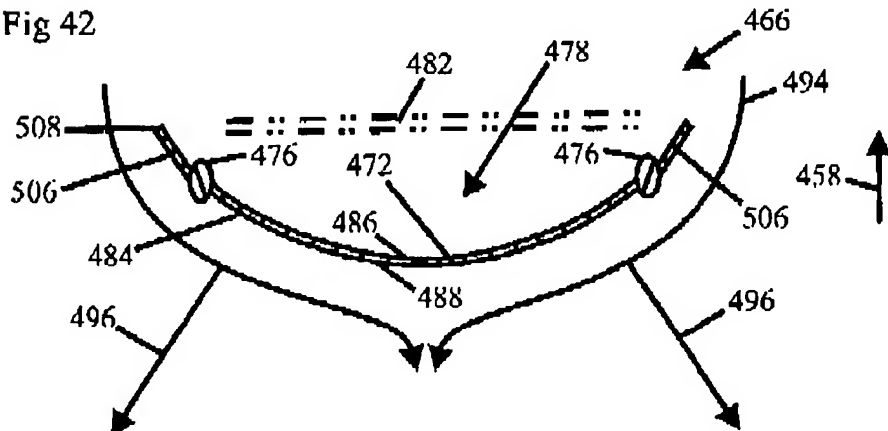


Fig 42



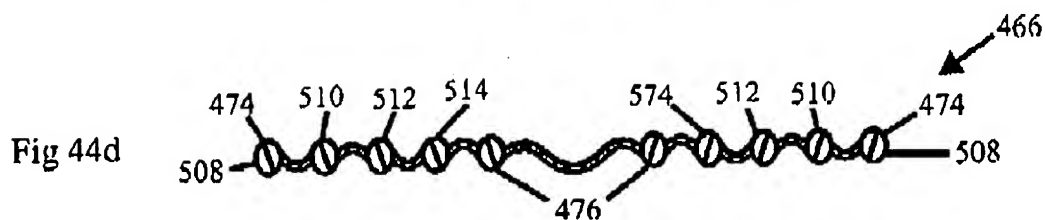
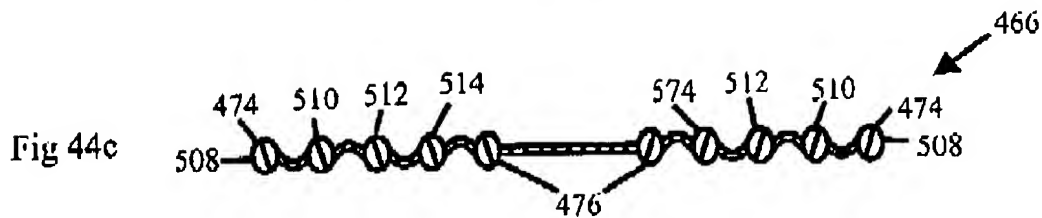
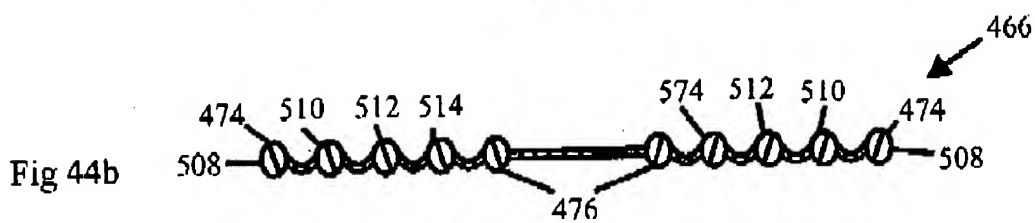
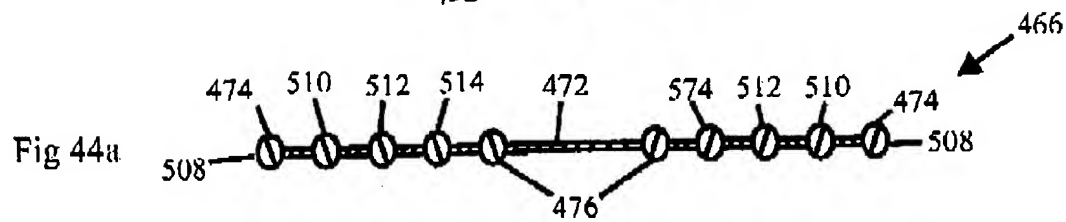
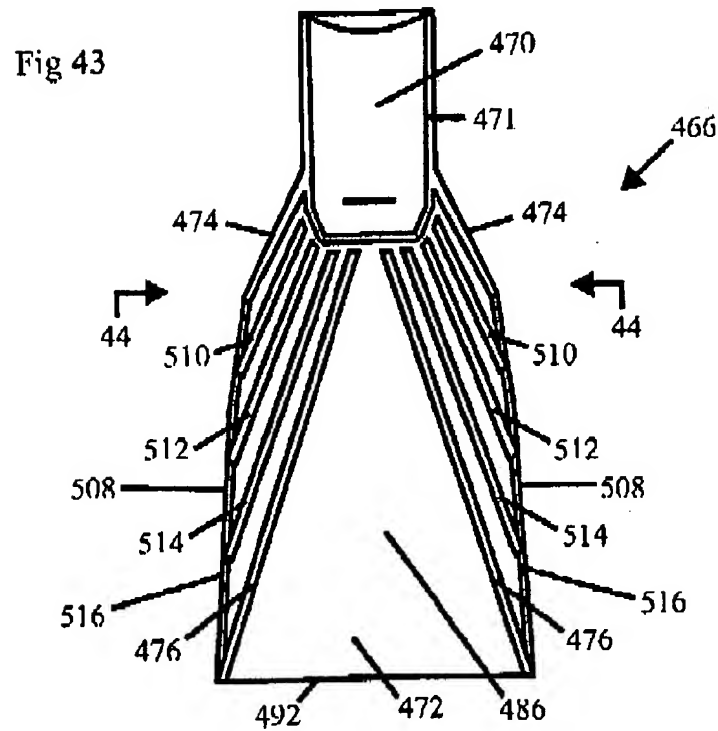


Fig 45

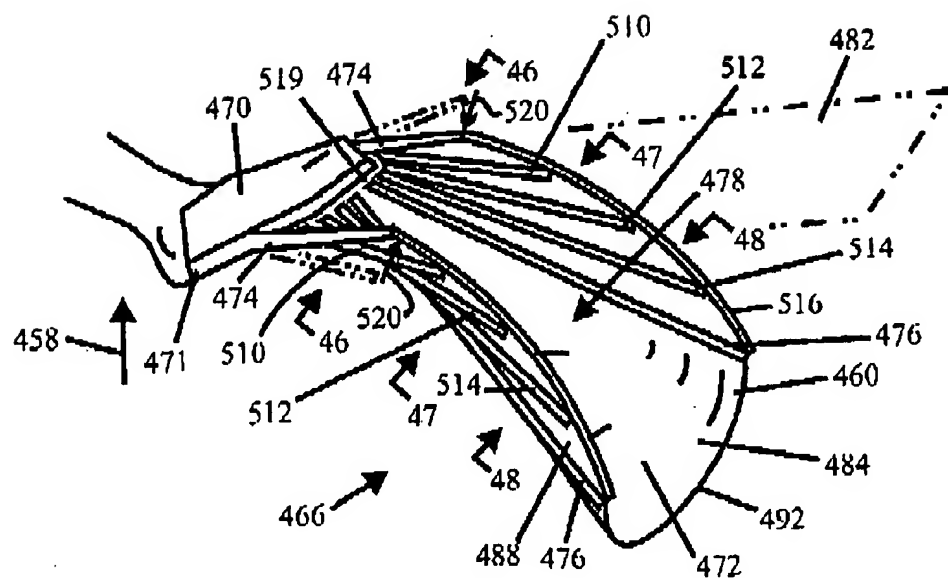


Fig 46

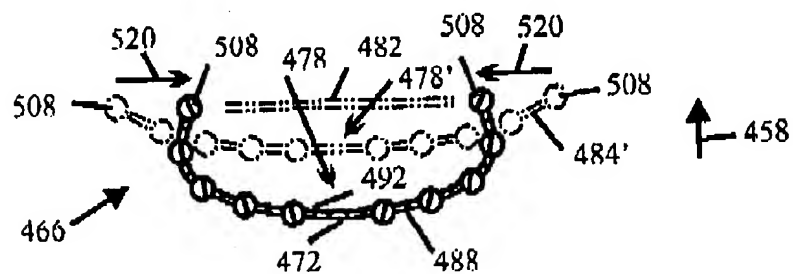


Fig 47

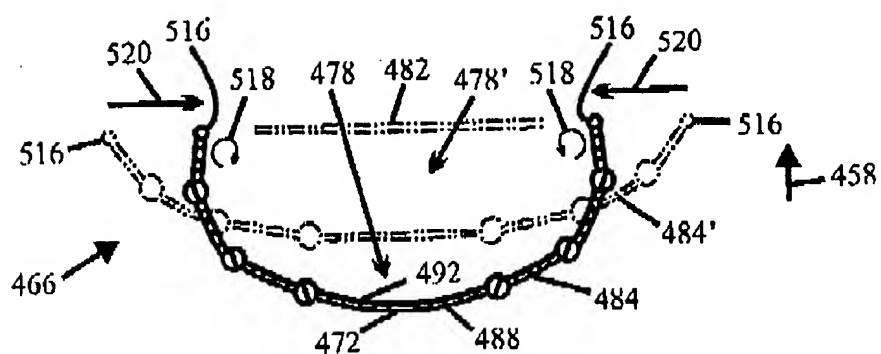
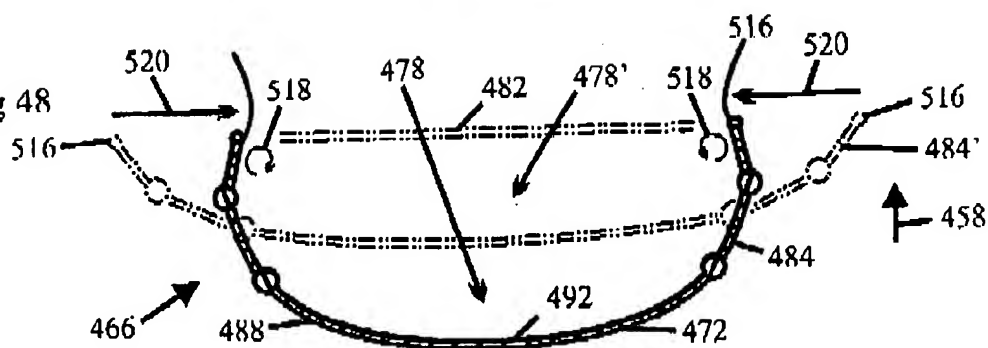
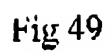


Fig 48





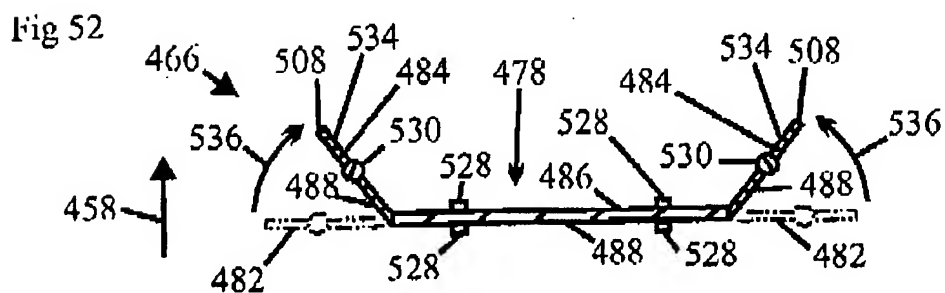
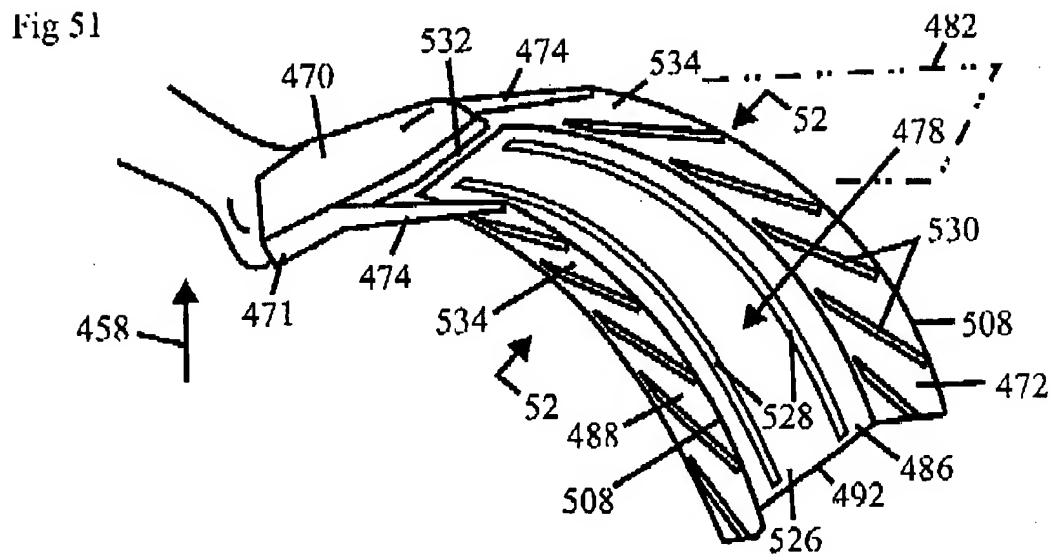
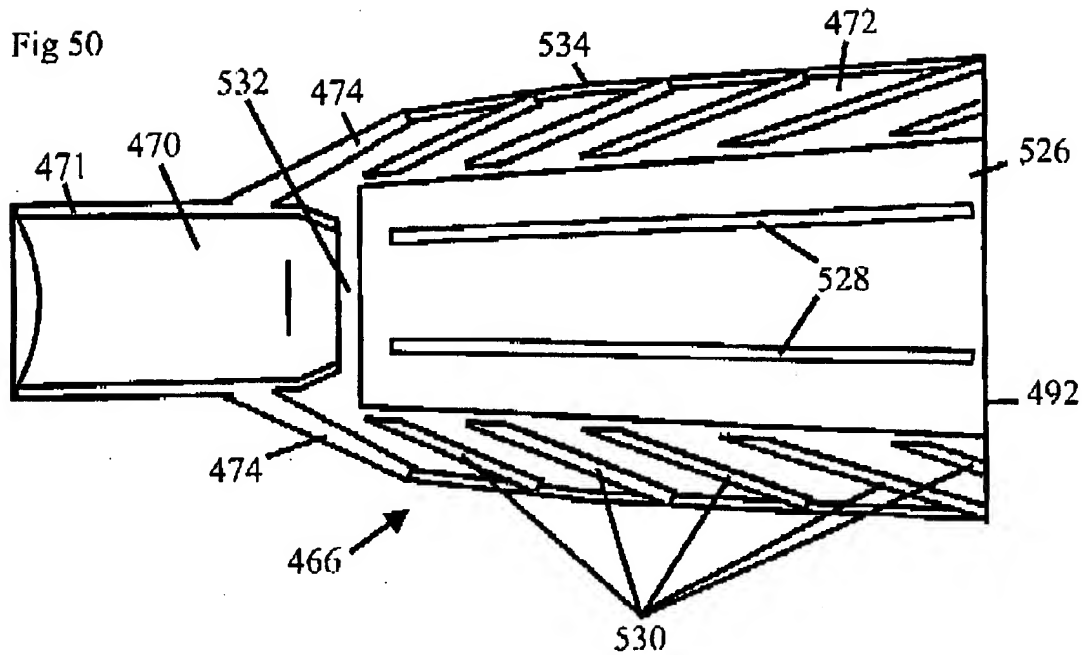


Fig 53

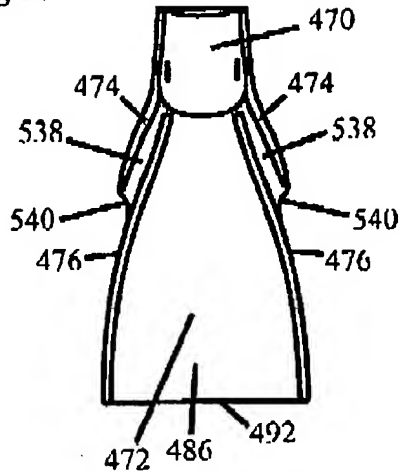


Fig 54

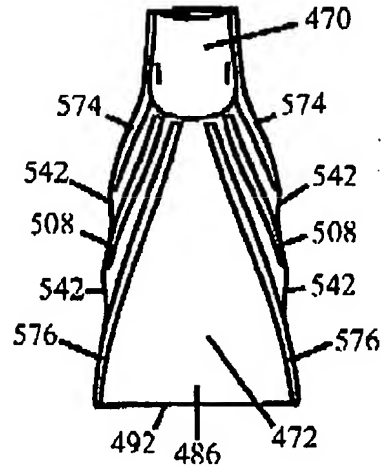


Fig 55

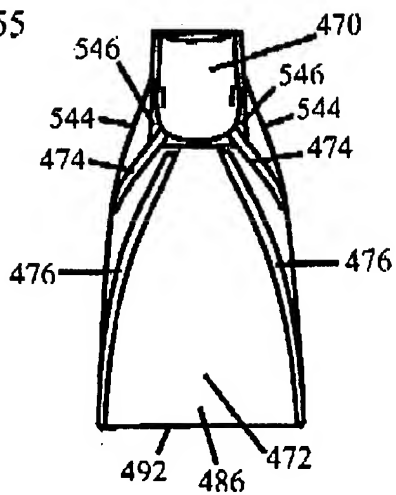


Fig 56

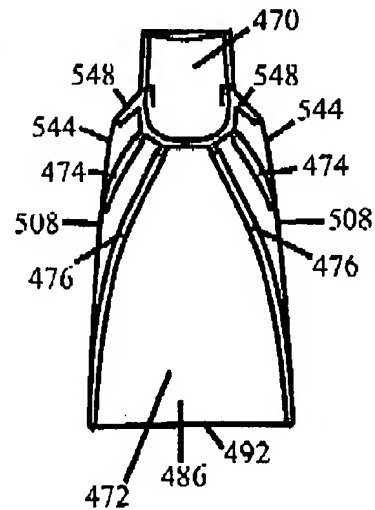


Fig 57

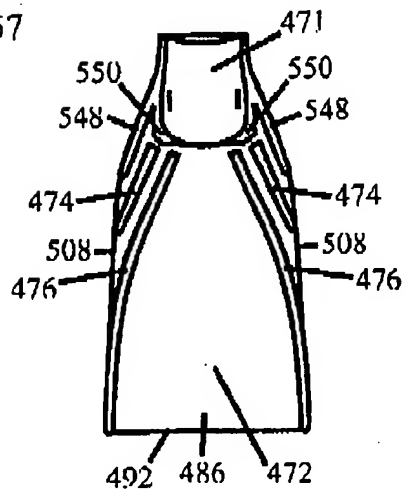


Fig 58

